# BEST AVAILABLE COPY

PTO/SB/08A (08-03) Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
3 collection of information unless it contains a valid OMB control number. on Act of 1995, no persons are required to respond to a collection of information of

SASSIBILITY STATES

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

	mpieto II kinown
Application Number	10/631,886
Filing Date	July 11, 2003
First Named Inventor	James W. Cady, et al.
Art Unit	2841
Examiner Name	TBA
Attorney Docket Number	254-094-CIP5/AK 148859

xaminer	Citte No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.	Number-Kind Code <sup>2 of transp</sup>	MM-DD-YYYY	Applicant of Cited Document	Belovant Passages or Retovar
191		US-6,919,626 B2	7/19/2005	Burns	
PI		US-6,914,324 B2	7/5/2005	Rapport, et al.	
<u> </u>		US-6,908,792 B2	6/21/2005	Bruce, et al.	
		US-6,884,653	4/26/2005	Larson	
		US-6,803,651	10/12/2004	Chiang	
		US-6,709,893	3/23/2004	Moden, et al.	
		US-6,699,730 B2	3/2/2004	Kim, et al.	
		US-6,690,584	2/10/2004	Uzuka, et al.	
		US-6,683,377	1/27/2004	Shim, et al.	
		US-6,677,670 B2	1/13/2004	Kondo ,	
		US-6,614,664	9/2/2003	Lee	
		US-6,588,095	7/8/2003	Pan	
		US-6,576,992	6/10/2003	Cady, et al.	
		US-6,552,910 B1	4/22/2003	Moon, et al.	
		US-6,528,870 B2	3/4/2003	Fukatsu, et al.	
		US-6,509,639	1/21/2003	Lin	
		US-6,489,687 B1	12/3/2002	Hashimoto .	
		US-6,489,178	12/3/2002	Coyle, et al.	
الميلام		US-6,444,490	9/3/2002	Bertin, et al.	
		US-6,426,560 B1	7/30/2002	Kawamura, et al.	

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited	Pages, Columns, Lines, Where Relevant Passages	Ι,
HIDAIS		Country Code -Number - Kind Code of immo	MM-DD-YYYY	Document	or Relevant Figures Appear	L'
		· · ·				

Examiner Signature Considered EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, british form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 601.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Transferring is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete firs form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 2213-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patenta, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Paper No. 0805a

AUS:572666.1

Translation is attached.

Approved for use through 07/31/2008. OMB 0551-0031
U.S. Patent and Tredemark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to re

Substitute for form 1449/PTO

#### **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 8

extra to a consciou of lujouus	tion unless it contains a valid OMB control number
. Co	npleto il Known
Application Number	10/631,886
Filing Date	July 11, 2003
First Named Inventor	James W. Cady, et al.
Art Unit	2841
Examiner Name	TBA
Attorney Docket Number	254-094-CIP5/AK 146859

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentine or	Pages, Columns, Lines, Where
infliate	MG.	Number-Kind Code <sup>2 (It Insent)</sup>	MIM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant
191		US-6,376,769 B1	4/23/2002	Chung	
		US-6,329,708	12/11/2001	Komiyama	
		US-6,316,825	11/13/2001	Park, et al.	
		US-6,310,392	10/30/2001	Bums	
		US-6,288,907 B1	8/11/2001	Burns	
		US-6,285,560	9/4/2001	Lyne	
		US-6,187,652 B1	2/13/2001	Chou, et al.	
		US-6,178,093 B1	1/23/2001	Bhatt, et al.	
		US-6,165,817	12/26/2000	Akram :	
		US-6,157,541	12/5/2000	Hacke	
		US-6,121,676	9/19/2000	Solberg	
		US-6,084,294	7/4/2000	Tomita	
		US-6,084,293	7/4/2000	Ohuchi	
		US-6,002,167	12/14/1999	Hatano, et al.	
		US-5,973,395	10/26/1999	Suzuki, et al.	
		US-5,963,427	10/5/1999	Bolleson	
		US-5,922,061	7/13/1999	Robinson	
		US-5,917,709	6/29/1999	Johnson, et al.	
A		US-5,895,970	4/20/1999	Miyoshi, et al.	
ARI		US-5,841,721	11/24/1998	Kwon, et al.	

Examiner	Cite	FOREIG Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
nitials"	No.'	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>8 (Finesa)</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	1
						L
						L
=						L

Examiner

Examiner Signature

\* EXAMINER: thical if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patient Documents at <a href="https://www.uspto.gog">www.uspto.gog</a> or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (MIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must procede the sental number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. \* Applicant is to place a check mark here if English language Translation is strached.

This collection of Information is required by 37 CFR 1.97 and 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Paper No. 0805a

Approved for use through 07/31/2008, QMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to response

Substitute for form 1449/PTO

# **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3

	neleccii known
Application Number	10/831,886
Fiting Date	July 11, 2003
First Named Inventor	James W. Cady, et al.
Art Unit	2841
Examiner Namo	TBA
Attorney Docket Number	254-094-CIP5/AK 146859

Examiner	Cite No.	Document Number	Publication Date	Nume of Patentee or		a, Linea, Where
Initiats*	MO.	Number-Kind Code <sup>2 gramma</sup>	MM-DD-YYYY	Applicant of Cited Document	Refevant Passa Can Figures	ages or Relevant
WV		US-5,804,870	9/8/1998	Burns .		The state of
		US-5,801,439	9/1/1998	Fujisawa, et al.		
		US-5,789,815	8/4/1998	Tessier, et al.		
		US-5,783,484	7/21/1998	Burns		
		US-5,764,497	6/9/1998	Mizumo, et al.	1	
		US-5,763,296	6/9/1998	Casati, et al.		
		US-5,729,894	3/24/1998	Rostoker, et al.		
		US-5,657,537	8/19/1997	Sala, et al.		
		US-5,646,446	7/8/1997	Nicewamer, Jr. et al.		
		US-5,642,055	6/24/1997	Difrancesco		
		US-5,588,205	12/31/1998	Roane		
		US-5,523,695	6/4/1996	Lin		
		US-5,502,333	3/26/1996	Bertin, et al.		
		US-5,477,082	12/19/1995	Buckley III, et al.		
		US-5,438,224	8/1/1995	Papageorge, et al.		
		US-5,394,303	2/28/1995	Yamaji		
		US-6,388,341	1/31/1995	Olson, et al.		
11		US-5,361,228	11/1/1994	Adachi, et al.	+===	
<b>W</b>		US-5,357,478	10/18/1994	Kikuda, et al.		<del>                                     </del>
WY		US-5,252,857	10/12/1993	Kane, et al.		

Examiner	Cite	Foreign Patent Document	Publication Data	Name of Patentee or	Pages, Columns, Lines	Ť.
Initiats*	No.'	Country Code <sup>3</sup> -Number - Kind Code <sup>8</sup> (Finance)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	74
			·	$\sim$		
						1

Octoberos Considered

\* EXAMINER: Initial if reference considered, whether or not clied in is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.ussto.gog">www.ussto.gog</a> or MPEP 601.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Paper No 0805a

Approved for use Brough 07/31/2008. CMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number

13:1 1 1 1 according and a contraction of the contraction of t Substitute for form 1448/PTO **Application Number** 10/631.886 Filing Date INFORMATION DISCLOSURE July 11, 2003 First Named Inventor James W. Cady, et al. STATEMENT BY APPLICANT Art Unit 2841 (Use as many sheets as necessary) **Examiner Name** TBA Sheet 4 of 18 **Attorney Docket Number** 254-094-CIF5/AK 148859

xaminer	Ma."	Document Number	Publication Date	Name of Patenties or	Pages, Columns, Lines, When
Ciatini		Number-Kind Code <sup>2 (Flame)</sup>	MM-DD-YYYY	Applicant of Clied Document	Relevant Passages or Relevas
127		US-6,252,855	10/12/1993	Ogawa, et al.	
		US-5,229,916	7/20/1993	Frankeny, et al.	
		US-5,214,307	5/25/1993	Davis	
		US-5,198,965	3/30/1993	Curtis, et al.	
		US-5,168,926	12/8/1992	Watson, et al.	
		US-5,159,535	10/27/1992	Desal, et al.	
		US-5,138,434	8/11/1992	Wood, et al.	
		US-5,068,708	11/26/1991	Newman	
		US-5,057,903	10/15/1991	Olla	
		US-5,041,902	8/20/1991	McShane	
		US-4,712,129	12/8/1987	Orcutt	
		US-4,587,596	5/6/1986	Bunneli	
		US-3,983,547	9/28/1976	Almasi	
		US-2004/0115866 A1	6/17/2004	Bang, et al.	
		US-2004/0099938 A1	5/27/2004	Kang, et al.	
		US-2004/0065963 A1	4/8/2004	Karnezos	
		US-2004/0021211 A1	2/5/2004	Damberg	
11		US-2004/0000708 A1	1/1/2004	Rapport, et al.	
W		US-2003/0168725 A1	9/11/2003	Warner, et al.	
18PV		US-2003/0109078 A1	6/12/2003	Takahashi, et al.	1 = 1 = 1

eniner		Foreign Petent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Г
nitials*	No.'	Country-Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>9</sup> (Finance)				
					ļ	L
						L
						_
						_

Dates Considered Octobe Olyloop Signature \* EXAMINER: prisal if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.noto.org/">www.noto.org/</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English tanguage Translation is affached.

This collection of information is required by 37 CFR 1.97 and 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form another suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Paper No 0805a

AUS:572666.1

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to r

Substitute for form 1449/PTO

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 5

non uniess it contains a valid CMB control numbe
noloce introving a second
10/831,886
July 11, 2003
James W. Cady, et al.
2841
TBA
254-094-CIP5/AK 146859

caminer	No.1	Document Number	Publication Date	Name of Patentee or	Pages, Cotumns, Unes, Where Relevant Passages or Relevant Figures Appear	
laitiats*	ng.		MIM-DD-YYYY	Applicant of Cited Document		
BV		US-2003/0081392	5/1/2003	Cady, et al.		
		US-2003/0045025	3/6/2003	Coyle, et al.		
		US-2003/0016710	1/23/2003	Kamoto		<del>              _       _  </del>
		US-2002/0076919	8/20/2002	Peters, et al.		
		US-2002/0048849	4/25/2002	Isaak		
		US-2002/0030995	3/14/2002	Shoji		
		US-2001/0040793 A1	11/15/2001	Inaba		
		US-2001/0035572	11/1/2001	łsaak -		
		US-2001/0015487	8/23/2001	Forthun		
		US-2001/0006252 A1	7/5/2001	Kim, et al.		
		US-6,891,729 ·	5/10/2005	Ko, et al.		
•		US-6,876,074 B2	4/5/2005	Kim		
		US-6,849,949	2/1/2005	Lyu, et al.		
		US-6,833,984 B1	12/21/2004	Belgacem		
		US-6,812,567	11/2/2004	Kim, et al.		
		US-6,781,240	8/24/2004	Choi, et al.		
		US-6,768,660	7/27/2004	Kong, et al.		
		US-6,660,561 B2	12/9/2003	Forthun		
V		US-6,657,134	12/2/2003	Spielberger, et al.		
1877		US-6,627,984 B2	9/30/2003	Bruce, et al.	1	

Examiner	Che	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,
Initiats" No.1	No.'	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5 (7 imms)</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Eigenes Appear
				·	
	_				

Examiner Signature	In B. Visishin	Date Considered	October 02, 200s
			The state of the s

\* EXAMINER: Infial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov/">www.uspto.gov/</a> or MPEP 801.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1458, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Vaper No. 0805a

Approved for use through 07/31/2008. CMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1895, no persons are required to re

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6

spurio to a conaction of information unless it contains a valid OMB control numb					
eoi	odeto il krovija i kaja krista				
Application Number	10/631,886				
Filing Date	July 11, 2003				
First Named Inventor	James W. Cady, et al.				
Art Unit	2841				
Examiner Name	TBA				
Attorney Docket Number	254-094-CIP5/AK 146859				

	Cits No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Whe Relevant Passages or Relevant Figures Appear	
Initiats*		Number-Kind Code <sup>2 (Flames)</sup>	MM-DD-YYYY	Applicant of Cited Document		
<b>15</b> 7/		US-6,452,826	9/17/2002	Kim, et al.		
		US-6,449,159	9/10/2002	Haba		
		US-6,313,998	11/6/2001	Kledzik .		
	7	US-6,303,981	10/16/2001	Moden		
		US-5,925,934	7/20/1999	Lim .		
$\perp$		US-5,778,522 A	7/14/1998	Burns		
		US-5,744,827	4/28/1998	Jeong,et al.		
		US-5,677,569	10/14/1997	Choi, et al.		
		US-5,243,133	9/7/1993	Engle, et al.		
		US-5,240,588	8/3/1993	Uchida		
$\bot$		US-5,219,794	6/15/1993	Satoh, et al.		
4-4		US-5,158,912	10/27/1992	Kellerman, et al.		
4		US-5,122,862	6/16/1992	Kajihara, et al.		
$\perp$		US-5,081,067	11/4/1992	Shirnru, et al.		
		US-5,064,762	11/12/1991	Nishiguchi		
		US-4,839,717	6/13/1989	Phy, et al.	†	
	1	US-4,758,875	7/19/1988	Fujisawa, et al.		
14		US-4,722,691	2/2/1988	Gladd, et al.		
N.		US-4,079,511	3/21/1978	Grabbe		
15 K		US-3,411,122	11/12/1968	Schiller, et al.		

Examiner Cite No.1	CE	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T
	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>8 () bound</sup>	MIN-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T	
						Г
						Г
						Г
	/			<del></del>		V

Exeminer Signature

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, fincible copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.usetp.gov">www.usetp.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (MIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the sental number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1469, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Paper No. 0805a

AUS:572666.1

Approved for use through 07/31/2008, OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respi

Substitute for form 1449/PTO

#### **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 7

Constitution and an arrangement	DON CHIESS & CONTRIBES & VALLE ONLY CONTROL INTROSP
100 CO	ide l'accio
Application Number	10/631,886
Filing Date	July 11, 2003
First Named Inventor	James W. Cady, et al.
Art Unit	2841
Examiner Name	TBA
Attorney Docket Number	254-094-CIP5/AK 146859

Examiner	No."	Document Number	Publication Date	MIDOSUMENTS Name of Putentee or	Pages, Columns, Unes, Where
Initiate"	Number-Kind Code <sup>2 (f towns</sup>	MAN-DD-AAAA	Applicant of Cited Document	Refevant Passages or Relevan	
107/		US-2005/0040508 A1	2/24/2005	Lee	
$\gamma$		US-2005/0035440 A1	2/17/2005	Mohammed	T
41		US-2004/0245617 A1	12/9/2004	Damberg, et al.	
1		US-2004/0238931 A1	12/2/2004	Haba, et al.	
		US-2004/0217471 (A1)	11/4/2004	Haba	
$\perp$		US-2004/0203190 A1	10/14/2004	Pflughaupt, et al.	
$\sqcup$		US-2004/0150107 A1	8/5/2004	Cha, et al.	
		US-2004/0104470 A1	6/3/2004	Bang, et al.	
$\vdash$		US-2004/0031972 A1	2/19/2004	Pflughaupt, et al.	
lacksquare		US-2003/0107118 A1	6/12/2003	Pflughaupt, et al.	
		US-2001/0013423 A1	2/18/2001	Daial, et al.	
1		US-6,707,684 B1	3/16/2004	Andric, et al.	
L		US-6,492,718 B2	12/10/2002	Ohmori	
		US-6,360,433 B1	3/26/2003	Ross	
igspace		US-6,336,262	1/8/2002	Dalal, et al.	
		US-6,234,820 B1	5/22/2001	Perino, et al.	1
	i	US-6,222,737 B1	4/24/2001	Ross	
12		US-6,040,624	3/21/2000	Chambers, et al.	
Kal		US-6,034,878	3/7/2000	Osaka, et al.	
N		US-6,002,589	12/14/1999	Perino, et al.	

Examiner Cite No.*	Cite	Foreign Patient Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	
	No."	Country Code = Humber - Kind Code (1 (1 locus)	MIM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	1,
-						

Economic Date October Signature Considered

\* EXAMINER: Intigor if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at <a href="https://www.usrb.gov">www.usrb.gov</a> or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by S7 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to fite (and by the LISPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form endor suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patient and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patients, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Paper No. 0805a

PTO/SB/98A (98-03)
Approved for use through 07/31/2006, ONG 0651-0331
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

**Application Number** 

**Attorney Docket Number** 

Substitute for form 1449/PTO

of

Sheet

**INFORMATION DISCLOSURE** STATEMENT BY APPLICANT (Use as many sheets as necessary)

Fifing Date July 11, 2003 James W. Cady, et al. First Named Inventor Art Unit 2841 **Examiner Name** TBA

Complete II Known

10/631,886

254-094-CIP5/AK 146859

Papa No. 0805a

Trettars	Cite No.	Document Number	Publication Date MMI-DD-YYYY	Name of Patenties or	Pages, Columns, Lines, Where	
	100.	Number-Kind Code <sup>2 (Flame)</sup>		Applicant of Cited Document	Refevent Passages or Relevant	
697/		US-5,995,370	11/30/1999	Nakamori		
		US-5,959,839	9/28/1999	Gates		
		US-5,699,705	5/4/1999	Akram		
	•	US-5,751,553	5/12/1998	Clayton		
		US-5,594,275	1/14/1997	Kwon, et al.	1 - 1	
		US-5,448,511	9/5/1995	Paurus, et al.		
		US-5,397,916	3/14/1995	Normington		
		US-5,276,418	1/4/1994	Klosowiak, et at.		
		US-5,117,282	5/26/1992	Salatino		
		US-3,766,439	10/16/1973	Isaacson		
		US-2005/0133897 A1	8/23/2005	Back, et at.		
		US-2005/0018495 A1	1/27/2005	Shakta, et al.		
		US-2004/0217481 A1	11/4/2004	Damberg		
•,		US-2004/0157352 A1	8/12/2004	Beroz, et al.		
		US-2004/0075991 A1	4/22/2004	Haba, et al.		
Was		US-2004/0045159 A1	3/11/2004	DiStefano, et al.	1=1	
8V		US-2003/0049886 A1	3/13/2003	Salmon		
	$\neg$				+	

xaminer	CIM	FOREIG Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials* No."	Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>3 (F Imme)</sup>	MIM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ*	
				$\overline{}$		
				<del></del>		

Examiner Signature

\* EXAMINER: tigid if reterence considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at www.usobs.gog or MPEP 801.04. \* Enter Office that issued the document, by the two-letter code (MIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to ptace a check mark here if English tanguage Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

AUS:572666.1

Examiner

PTO/SB/08A (08-03)

Taper No. 08052

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE ct of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substill Corporate **INFORMATION DISCLOSURE** 

STATEMENT BY APPLICANT (Use as many sheets as necessary)

13

of

Sheet 1

, Co	pleofficero
Application Number	10/631,886
Filing Date	July 11, 2003
First Named Inventor	James W. Cady, et al.
Art Unit	2841
Examiner Name	TBA .
Attorney Docket Number	254-094-CIP5 / AK 146859

		2000年8日 人名英格兰人	. C.S.PATENI	DOCUMENTS	
Exampler	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initiatis	No.1	Number-Kind Code <sup>2 (France)</sup>	MON-DO-YYYY	Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages of Relevant Figures Appear
		US-			1
		us			
		us			
		US			1
		US-			
		US-		/	
		US-	X		
		US-			
Ī		US-			
		US-			<u> </u>
		US			
	$\supset$	US-			
		US-			
		US-			<del></del>

Employ Cit		Foreign Patient Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	1
Initials* No.	Country Code <sup>3</sup> -Number <sup>4</sup> -Kirki Code <sup>8 (Floren)</sup>	MOM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
DV		WO 03/037053 A1	5/1/2003	Cady, et al.		
MV.		JP 63-153849 (A)	6/27/1998	Matsubara		$\vdash$
YPV		JP 62-230027 (A)	8/10/1987	Nakamura		_
av		JP 4-209562 (A)	7/30/1992	Uzuka, et al.		┢
1)817		JP_404368167 (A)	12/21/1992	.Omura		_
UBV		JP 2003/347503 (A)	12/5/2003	Toshiyuloi, et al.		$\vdash$

Signature Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <u>worm usphotony</u> or MPEP 901.04. Enter Office that issued the document, by the bro-letter code (WIPO Standard ST.3). For Japanese patent documents, this indication of the year of the reign of the Emperor must procede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is effected.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the included case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Abrandria, VA 2213-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patenta, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

AUS:572669.1

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Complete IV Known Substitute for form 1449/PTO **Application Number** 10/631,886 INFORMATION DISCLOSURE Filing Date July 11, 2003 First Named Inventor James W. Cady, et al. STATEMENT BY APPLICANT Art Unit 2841 (Use as many sheets as necessary) **Examiner Name** TBA Sheet 2 of **Atterney Docket Number** 254-094-CIP5 / AK 148859

xaminer Initials	18 M	Document Manber	Publication Date NSM-DD-YYYY	DOCUMENTS AND AND AND AND OF PARENTEE OF	Pages, Columns, Unios, Where Relevant Passages or Relevant Figures Appear
1110010		Number-Kind Code <sup>2 (7 tecom)</sup>	NOW-DU-TYTY	Applicant of Cited Document	Figures Appear
		UŚ			
		US-			
		US-			
		US-			<del></del>
		US-			
		US-			
		US-			
		US-		<del></del>	
		US-			
	$\neg \neg$	US-			
		us-			<del> </del>
		us-			
		US-			<del></del>
		US-			
		US-			
		US-			<del> </del>
		US			
	<del>-  </del>	US-			1
	$\prec$	US-			
4		US-			

Examiner Initials*	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,		
	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5 (3) breast</sup>	MIM-DO-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	1	
RV		JP 2003/347475 (A)	12/5/2003	Mitsuru		Т
TIPV		JP 2003/309247 (A)	10/31/2003	Mitsuru		Г
973V		JP 2000/307029 (A)	11/2/2000	Mitsuru		
BN		JP 60-254762 (A)	12/16/1985	Fujitsu		
		JP 5029534 (A)	2/5/1993	Nakamura		Т
1811		JP 75 1047659 (A)	3/8/1986	Soga, et al.		$\vdash$

Examiner Signature	Sh	R	Vraiti	Date Considered	Octhor	1005

• EXAMINER: Infilid if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.usoto.gov">www.usoto.gov</a> or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any commands on the amount of time you require to complete this form endor suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Paper No. Orosa

AUS:572669.1

Approved for use through 07/31/2008. OMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

With Some Complete Ulknown Substitute for form 1449/PTO **Application Number** 10/631,886 Filing Date INFORMATION DISCLOSURE July 11, 2003 First Named Inventor James W. Cady, et al. STATEMENT BY APPLICANT Art Unit 2841 (Use as many sheets as necessary) **Examiner Name** TBA Sheet 3 **Attorney Docket Number** 254-094-CIP5 / AK 146859

Examique	Cite	Document Number	Publication Date	OOCUMENTS AT THE OCCUPANT OF PATENTINE OF PATENTINE OF	Pages, Columns, Lines, Where
Initials	No.'	Number-Kind Code <sup>2 (Flames)</sup>	MM-DD-YYYY	Applicant of Cited Document	Pages, Columna, Lines, Where Relevant Passages or Relevant Figures Appear
		US-	l		
		WS-			
		us \			
		us-			
		US			
		US		/.	
		บร			
		US-			
		us		/	
		US-	X		
		US-			
		US			
		US			
		US-			
		<b>US</b> -			
		US-		***	
		US-			

Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,
Initiats* No.	NO.	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6 gr imms</sup> )	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
131		JP \$59088863 (A)	5/22/1984	Shiragasawa, et al.	
USV		EP 0426-303 (A2)	10/1/1990	Legg, et al.	
97V		DE 004215467 A1	11/12/1992	Chun .	
DV		DE 004214102 A1	12/3/1992	Chun	
-					

Examiner Signature	Um B.	Vranta	•	Date Considered	Ottle o	1.1005
						_

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this torm and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandría, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandría, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Paper No. 08056

AUS:572669.1

<sup>•</sup> EXAMINER: Inglid if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.cov">www.uspto.cov</a> or MPEP 801.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached

PTO/SB/08B (08-03)

Approved for use through 07/51/2009, OMB 0831-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ork Reduction Act of 1995, no persons are regulred to re-

for form 1449/PTO C TRAFF

# **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as marry sheets as necessary)

Sheet

shound to a consection of informs	Son unless it contains a valid OMB control number.
	nplete il Known
Application Number	10/831,888
Filing Date	July 11, 2003
First Named Inventor	James W. Cady, et el.
Art Unit	2841
Examiner Name	TBA
Attorney Docket Number	254-094-CIP5 / AK 146859

Paper No. 0805c

	1	NONEAN ENGLANDED COMENS ASSESSMENTS	1
Examiner Initials*	No.1	Include name of suthor (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
B		Tessera uZ Ball Stack Package. 4 figures that purport to be directed to the uZ' - Ball Stacked Memory, Published on the Internet.	
BV		Ron Bauer, Intel. "Stacked-CSP Delivers Flexibility, Reliability, and Space-Saving Capabilities", Volume 3, Spring 2002. Published on the Internet.	
BU		1992 Proceedings, 42nd Electronic Components & Technology Conference, May 18-20, 1992	
BU	<u>/</u>	Research Disclosure, Organic Card Device Carrier, 31318, May 1990, No. 313	
BU		IBM Technical Disclosure Bulletin, Vol. 23, No. 12, May 1981	
BI		IBM Technical Disclosure Bulletin, Vol. 20, No. 11A, Apr. 1978	
8/		. IBM Technical Disclosure Bulletin, vol. 32, No. 38, Aug. 1989	
R		Orthogonal Chip Mount - A 3D Hybrid Wafer Scale Integration Technology, International Electron Device Meeting, IEDM Technical Digest, Washington, D.C., Dec. 6-9, 1987	
	+		
	$\dashv$		

Examiner Signature	Show Bellen Is	Date Considered October Ch. 2005
	find france	Considered Valva Ch. Long

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form end/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

AUS:572771.1

<sup>\*</sup> EXAMINER: triple if reference considered, whether or not citation is in conformance with MPEP 609. Draw tine through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

	OIPE	4				·	Sheet 1 of 2
om PTO-1449 (5.5 Rev. 11/92)	JAN	<b>6</b>	U.S. Dept. of Contracts Patent and Trademark Office	ATTY, DOCK	ET NO.	SERIA 10/631	
INFOR	MATINGODISCLOS	SUBÉ STATE	MENT BY APPLICANT	254054-027		1 .00.	
9,	STRUMEN	rel sheets if nec		APPLICANT James W. Cady	લા છો.		
	(030 3040	isi sirecis il irec	2300))			GROU	
7 CFR 1.98	( <b>(</b> ))			July 11, 2003		2841	i F
	DOCUMENTS	<del> </del>					
Examiner Initial	Patent Number	Issue Date	Patentice		Class	Subclass	Filing Date (if appropriate)
131	US 5,117,282	05/26/1992	Salatino		357	81	10/29/1990
71	US 5,448,511	09/05/1995	Paurus, et al.		365	52	06/01/1994
+	US 5,642,055	06/24/1997 .	Difrancesco		324	757	05/12/1995
+	US 5,917,709	06/29/1999	Johnson, et al.		361	\$03	06/12/1997
+,	US 6,121,676	09/19/2000	Solberg		257	686	12/11/1997
$\forall \!\!\!/$	US 6,222,737 BI	04/24/2001	Ross		361	767	04/23/1999
WV	US 6,360,433 BI	03/26/2003	Ross		29	840	09/19/2000
		EODEICN DA	TENT OR PUBLISHED FOREIGN	PATENT APPI	CATION		
		POREIGNEA	TEXT ON FUBE DRED FOREIGN	TATENT ALLE		T	Translation
	Document Number	Date	Country		Class	Subclass	Yes No
1811	2003309246(A)	10/31/2003	Japan			<b>-</b>	Partial
21/	2003086761(A)	03/20/2003	Japan				Partial
	2003086760(A)	03/20/2003	Japan				Partial
BV	2003037246(A)	02/07/2003	Japan				Panial
WV	2001332683(A)	11/30/2001	Japan				_ Partial
180	2001085592(A)	03/30/2001	Japan				Partial
W	2001077294(A)	03/23/2001	Japan				Partial
	*	(INCLU	OTHER DOCUMENTS DING AUTHOR, TITLE, DATE, PERT	3 TNENT PAGES, E	TC.)		
	H			•			
	· ·				<del></del>		
						<del></del>	
				<del></del>			
	H —						
	1 1						
XAMINER	110	Unit	/\	CONSIDERED	17	02	]

		ধ)					Sho	2 of 2
Farm PTD-1449 (). (Rev. 11/72)	E JAY 0 7 2	DE	U.S. Dept of Commune	ATTY. DOCK		SERIA		
(Rev. 11/72)	13	ež.	Parent and Technicals Office	254-094-CIP5	EF NO.	10/631		
INFOR	MATION	PURE STATE	MENT BY APPLICANT	204-094-0125		IWOJI	,880 ————	
INFOR				APPLICANT				
	(Use seve	ral sheets if nec	essary)	James W. Cady	ر, et al.	<del></del>		
				FILING DATE		GROU	P	
(37 CFR 1.9)	B(b))			July 11, 2003		2841		
U.S. PATENT	DOCUMENTS	<del>,</del>				·		
*Examiner	Patent	Issue			Class	Subclass	Filing I	
Initial	Number US 6,376,769 B1	Date 04/23/2002	Patentee Chung		174	522	8pprog 03/14/20	
13.						·		
	US 6,552,910 Bi	04/22/2003	Moon, et al.		361	749	06/28/20	ш
	US 6,627,984 B2	09/30/2003	Bruce, et al.		257	686	07/24/20	01
	US 6,660,561 B2	12/09/2003	Forthun		438	109	07/24/20	02
	US 6,677,670 B2	01/13/2004	Kondo		257	686	04/25/20	01
	2004/0150107 AI	08/05/2004	Cha et al.		257	738	12/29/20	03
	2004/0021211 A1	02/05/2004	Damberg		257	282	09/06/20	02
	2003/0168725 Al	09/11/2003	Warner et al.		257	686	10/28/20	02
PV	2001/0040793 AI	10/15/2001	Insba		361	749	01/31/20	01
	·		<del>'                                    </del>					
1		FOREIGN PAT	TENT OR PUBLISHED FOREIGN	PATENT APPL	ICATION			
8		FOREIGN PAT	TENT OR PUBLISHED FOREIGN	PATENT APPL	CATION		Trans	lation
	Document Number	FOREIGN PAT	Country	PATENT APPL	Class	Subtless	Trans	
	Document Number			PATENT APPL		Subtlass	Trans	lation No
	Document Number			PATENT APPL		Subtless		
	Document Number			PATENT APPL		Subtlass		
	Document Number			PATENT APPL		Subtlass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Subflass		
	Document Number	Date	Country		Class	Subtlass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Substass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Subtlass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Subtlass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Subtless		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Subtlass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Subtless		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Substass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Substass		
	Document Number	Date	Country OTHER DOCUMENTS		Class	Substass		
EXAMINER	Document Number	Date	OTHER DOCUMENTS ING AUTHOR TITLE DATE PERTI		Class	Substass	Yes	

Paper No-0105

considered. Include copy of this form with next communication to applicant.

	/o.\r	· 16					Shee	#_1_ of_
Ferm PTO-1449 (Bes. 11/92)	RMATION DESCRIPTION	MN E	U.S. Dept. of Commerce Patent and Trademark Office	ATTY. DOCE		SERL	AL NO.	
INFO		eral sheets if ne	CESSERY)	APPLICANT Cady, et al				
(37 CFR 1.5	P8(b))			FILING DATI		GROU 2818	IP	
U.S. PATEN	T DOCUMENTS							
*Examiner Initial	Patent Number	Issue Date	Patentee		Class	Subclass		Date (if
15.V	5,428,190	6/27/1995	Stopperan		174/261		7/2/199	3
0	6,097,087	8/1/2000	Farnworth, Warren M. et al		257/698		10/31/1	997
	6,323,060B1	11/27/2001	isaak '	-	438/109		5/5/199	
	6,351,029 <del>B</del> 1	2/26/2002	Isaak		257/688		5/19/200	00
	6,368,896B2	4/9/2002	Farnworth, Warren M. et al	_	438/113		4/23/19	<b>29</b>
	6,410,857B1	6/25/2002	Gonys		174/254		8/13/200	)I
	6,426,240B2	7/30/2002	lsak		438/106		6/25/200	)1
	6,426,549B1	7/30/2002	Isaak, Harian R.		257/686		11/3/200	00
	6,444,921B1	9/3/2002	Wang, et al		174/260		2/3/2000	) .
· W_	6,465,877B1	10/15/2002	Farnworth, Warren M. et al		257/668		3/27/200	ю
SPV	6,514,793B2	2/4/2003	Isaak		438/109		2/4/2003	1
		FOREIGN PA	TENT OR PUBLISHED FOREIGN F	PATENT APPLI	CATION			
							Trans	lation
	Document Number	Date	Country		Class	Subclass	Yes	No
		INCLUD	OTHER DOCUMENTS ING AUTHOR, TITLE, DATE, PERTIN	IENT PAGES, ET	r)			
EXAMINER	John B.	Vyigt	DATEC	ONSIDERED	Dotto	01,10	05	
*EXAMINER: considered. Inc	thitial if citation considerable copy of this form w	red, whether or nith next commun	ot citation is in conformance with MPE icution to applicant.		•			nd not
					. 0			

		OIP	R.					Shar	·· • .e
Form P	TG-1449 (1	18 0 g a	m E	U.S. Dapt. of Commerce Paten and Tradescart Office	ATTY. DOCI	KET NO.	. SERL	AL NO.	<u> </u>
		MZ.	<i>\$</i>		0254-094-CIP		10/63		
	INFO	MATINE DISCLO	SUXE STATE	EMENT BY APPLICANT	APPLICANT			1,000	
		(Use seve	aral sheets if ne	cessary)	Cady, et al				
<b>.</b> .,	01		•		FILING DAT	E	GROU	JP :	
	FR 1.98		<del></del>		7/14/03		2818		-
U.S. P	ATENT	DOCUMENTS	· .	Т	<del></del>	<del></del>	<del></del>	<del></del>	· · ·
	miner tial	Patent Number	Issue Date	Patentee		Class	Subclass		Date (if priate)
LD.	η/_	4,763,188	8/9/1988	Johnson, Thomas		257/7	77	11/4/198	
1		5,239,198	8/24/1993	Lin et al.		257/693	· ·	7/2/1992	
		6,028,365	2/22/2000	Akram et al.		257/178	:	3/30/199	18
		6,433,418	8/13/2002	Fujisawa et al.		257/696		4/29/199	9
_\/	-	6,208,521B1	3/27/2001	Nakatsuka, Yasuo		361/749		5/19/199	8
1	$\gamma$	6,265,660B1	7/24/2001	Tandy, Patrick W.		174/52.4		8/18/200	
<b>V</b>			FOREIGN PA	tent or published foreign i	PATENT APPL	ICATION	St. Tr.		
				, ,	-			Trans	lation
		Document Number	Date	Country		Class	Subclass	Yes	No
B		5-21697(A)	01/1993	Japan				Partial	
13		57-31166(A)	02/19/1982	Japan				Partial	
VB.	[	58-96756(A)	06/08/1983	Japan				Partial	
183	1/	58-112348(A)	07/04/1983	Japan				Partial	
VIB	V	60-254762	12/1985	Japan				Partial	
VID	1/4	62-230027(A)	10/08/1987	Japan Japan				Partial	
R		63-153849(A)	06/27/1988	Japan				Partial	
//		· · · · · · · · · · · · · · · · · · ·	MICLUD	OTHER DOCUMENTS DING AUTHOR TITLE, DATE PERTIN	ENT PAGES, ET	rc)			
1	2/			pabit High Speed CMOS SRAM DPS1M			<u> </u>	<u> </u>	-
XII	VI			gabyte CMOS DRAM DP3ED32MS72R					
<b>V</b>	$\dashv$				•		<del></del>		
1	1			ng Space Barriers, 3-D Technology 1993					
R	<b>}/</b>	j		EX16A3, Ceramic 512K X 16 CMOS SR					
	V			Алтауа," William R. Newberry, Xynetix					
<u> </u>		"Chip Scale Packa Electronics Inc.	ging and Redisor	ribution," Paul A. Magill, Glenn A. Rinn	re, J. Daniel Mis,	, Wayne C. Maci	hon, Joseph W.	Baggs, Uni	itive
EXAM	NER	for st	· Vin	DATEC	ONSIDERED	Octo	202	1 00	0.
•EXAM consider	INER: E	nitial if citation consider ade copy of this form wi	ed, whether or no th next commun	oot citation is in conformance with MPEF lication to applicant.	P § 609; draw line	e through citatio	n if not in confe	ormance an	d not

AUS:552439.2

		<b>\0</b> .	(E)						Shee	t_2_of_
Form PTO-144 (Rev. 11/92)	9 (9400	EN 0 87	E	U.S. Dept. of Comments Pages and Trademark Office	ATTY. DOC	CET NO		SERL	AL NO.	1_Z_01_
INE	ORN	IATION BETER	DIDE CTATE	EMENT BY APPLICANT	0254-094-CIP	·s		10/62	4,097	
27.	<u> </u>		eral sheets if no	•	APPLICANT Cady; et al					
					FILING DATI	F		GROL	D :	
(37 CFR 1	.980.	))			7/21/03			2818		
U.S. PATE	NT D	OCUMENTS	<del></del>	· ·	, i.	· · · · · ·				
Examiner Initial	1	Patent Number	issue Date	Patentee	·	Class	Si	ubclass		Date (if priate)
KV_	4	6,300,679B1	10/9/2001	Mukerji et al.		257/738	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		6/1/199	В
/	4	6,462,41282	10/8/2002	Karnei et al		257/723			1/17/20	01
	4	5,465,893B1	10/15/2002	Khandros et al.		257/777			10/19/20	000
	1	5,486,54481	11/26/2002	Hashimoto, Nobuski		257/686			9/3/1999	·
<u> </u>	4	5,560,117B2	5/6/2003	Moon, Ow Chee		361/749			8/30/200	01
1/	1	,572,387B2	6/3/2003	Burns et al.		439/69			3/19/200	12
V	4	,590,282B1	1/8/2003	Wang et al.		257/686			4/12/200	12
BV		,600,222B1	7/29/2003	Levardo, Melvin N.		257/686			7/17/200	2
1	* .		POREIGN PA	TENT OR PUBLISHED FOREIGN I	ATENT APPLI	CATION			1 1	V2. 4
	1.		_						Trans	lation
10	, ,	Document Number	Date	Country	,	Class	Su	belass	Yes	No
My V	E	IP 461-639-A	12/1991	European			-		¬x ˙	
	Æ	P 0 298 211 A#	01/11/1989	European					x	
<u> </u>	ĮΈ	P 122-687-A	10/24/1984	European					` x	
47 U	<u>  s</u>	U 834-957	05/30/1981	Russian					Partial	
	上									
	7	李俊之(1)	(DVCLUD	ING AUTHOR TITLE DATE PERTIN	ENT PAGES, ET	C)	. 12.			7.4
RY	+	"Alterable Interpo 8, 1988, pp. 373-3	sser Block for Per 174.	sonalizing Stacked Module Interconnec	tions," <i>IBM Tec</i> l	hnical Disclosur	e Bull	letin, Vol.	. 30, Na. 8,	January
	Γ	IBM Preliminary	168 Pin SDRAM	Registered DIMM Functional Descripti	on & Timing Dis	I GYESTIE				
Land		"3D Interconnecti	on for Ultra-Den	se Multichip Modules," Christian VAL.			hivisio	n, Thiar	y Lemoine,	
		"High Density Me	mory Packaging	Technology High Speed Imaging Appli	ations." Dean F	ew. Texas Instr	uner!	s Income	rated	
				anductor Intellectual Property, Chip Scal						
		Tessera Introduce	es uZ * - Ball Str	acked Memory Package for Computing	and Portable Elec			e Smarag	dis, Tesser	Public

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

AUS:552439.2

EXAMINER

Pgan No. 0204

	015	E. 4					Shee	± 3 of 9
Form PTO-1445 (Rev. 11/72)			U.S. Dept. of Commons Prints and Trademark Office  EMENT BY APPLICANT	ATTY. DOCK		. SERU	AL NO.	
				APPLICANT				
	(Use seve	eral sheets if ne	cessary)	Cady, et al				
				FILING DATE	<u> </u>	GROL	<u> :</u>	_
(37 CFR 1.	.98(b))			7/21/03		2818		
US PATE	YT DOCUMENTS		<u> </u>			ر.	· • · · ·	<u>.:.</u>
*Examiner Igitial	Patent Number	Essue Date	Patentoe		Class	Subclass		Date (if priste)
J. W.V	6,620,651B2	9/16/2003	He et al.	-	438/113		10/23/20	201
	US2002/0139577A	10/3/2002	Miller, Charles A.		174/261		3/27/200	
	US2002/0164838A	Nov-02	Moon et al.		438/107		6/5/2001	
	US2002/0180022A							
	1	12/5/2002	Emoto, Yoshiaki		257/686		7/19/200	12
	6,072,233	6/6/2000	Corisis et al.		257/686		5/4/1998	
	Re 36,916	10/17/2000	Moshayedi		257/723		04/22/19	98
	3,436,604	04/01/1969	Hyltin		317/101		04/25/19	66
	3,727,064	04/10/1973	Bottini		250/217		03/17/19	71
	3,654,394	04/04/1972	Gardon		179/15 BL		07/08/19	69
V.	3,746,934	07/17/1973	Stein		317/101 <sup>°</sup>		05/06/19	71
BI	3,772,776	11/20/1973	Weisenburger		29/628	•	12/03/19	
1	San Line	FOREIGN PA	TENT OR PUBLISHED FOREIGN	PATENT APPLI	CATION .	身 从数	2.3%	· 图 图 1
							Trans	
	Document Number	Date	Country		Class	Subclass	Yes	No
	<del>                                     </del>							
or officer topics	100000000000000000000000000000000000000			ar i mariwanian				
主意主流		(DVCLUE	OTHER DOCUMENTS	VENT PÄGES ÉT	rc)		in k	3 3
101/	Ron Bauer, Intel.	*Stacked-CSP D	Delivers Flexibility, Reliability, and Spa	ce-Saving Capabi	lities", Spring 20	002		
KY	Tessera uZ Ball S	mck Package. 4	figures that purport to be directed to the	e uZ - Ball Stack	ed Memory, 1 Pa	age.		1
			Alvin Weinberg, Pacesetter, Inc. and W					
EXAMINER	Ifon B.	Vicinal		CONSIDERED	October	O.2	001	
*EXAMINER	t: Initial if citation consider	red, whether or r	not citation is in conformance with MPE		e through citation	n if not in con	7	nd not

	<b>/0</b> ''	TO THE					Sheet 4 of
Form PTO-1449 () (Rev. 11/97)	12 10	a stay a	U.S. Dept. of Commone Patent and Trademark Office	ATTY. DOCI		SERIA	AL NO.
INFO	MATION DE LA	SHRESTATI	EMENT BY APPLICANT	0254-094-CIP	2.5	10/624	,097
				APPLICANT			
	(Use seve	ral sheets if no	cessery)	Cady, et al			
(37 CFR 1.98	3 <b>(</b> b))			FILING DATE	E	GROU 2818	P :
U.S. PATENT	DOCUMENTS			<u> </u>			
*Examiner Initial	Patent Number	issue Date	Patentee	-	Class	Subclass	Filing Date (if appropriate)
BV	4,103,318	07/25/1978	Schwede		361/388		05/06/1977
PT	4,288,841	09/08/1981	Gogal		361/414		09/20/1979
	4,398,235	08/09/1983	Lntz, et al		361/393		09/11/1980
	4,406,508	09/27/1983	Sadigh-Behzadi		339/75		07/02/1981
	4,437,235	03/20/1984	McIver		29/840		089/23/1982
N	4,513,368	04/23/1985	Houseman		364/200		05/22/1981
	4,645,944	02/24/1987	Uya		307/243		09/04/1984
		FOREIGN PA	TENT OR PUBLISHED FOREIGN	PATENT APPL	ICATION		`
	Document Number	Date	Country	•	Class	Subclass	Translation
		5	Country			Sound	Yes No
	0.0 -	(INCLUD	OTHER DOCUMENTS ING AUTHOR, TITLE, DATE, PERTIR	VENT PAGES, ET	rc.)		
4	Chip Scale Reviet Joseph, Pacific Co	online - An In	dependent Journal Dedicated to the Adv	vancement of Chi	p-Scale Electron	ics. (Webiste 9	pages) Fjelstad,
NV	Flexible Thinking	Examining the	Flexible Circuit Tapes. (Website 2 page	rs) Fjelstad, Josep	oh.		
BV	Die Products: Idea performance and l 2002.	al IC Packaging thigh reliability w	or Demanding Applications - Advance ith small size and low cost. (Website 3)	d packaging that pages with 2 figu	no bigger than tres) Larry Gilg a	the die itself bri nd Chris Wind	ings together high sor. December 23,
BV	Flexible Printed C	ircuit Technolog	y - A Versatile Interconnection Option.	(Website 2 page	s) Fjelstad, Josep	h. December 3	, 2002.
EXAMINER	Sh.B.1	anich	DATEC	ONSIDERED	Octob	02.	Lear
EXAMINER.	nitial if citation consider ude copy of this form w	ed, whether or n	ot citation is in conformance with MPE	P § 609; draw tin	e (brough citation	n if not in conf	ormance and not

Parto. 0204

. /	61PE					Sheet 5 of
Form PTO-1449 (Modified) (Rest. 11/92)	FEB 8 9 2004 2	U.S. Dept. of Commerce Pages and Trademark Office	ATTY. DOCK	CET NO.	SERI	ALNO.
			0254-094-CIP	-5	10/62	4,097
INFORMATION	OSCIOSATE STAT	EMENT BY APPLICANT	APPLICANT			
	(Use several sheets if no	ecessary)	Cady, et al			
(27 (CED 1 08/L))			FILING DATI	E	GRO	UP
(37 CFR 1.98(b))			7/21/03	<del></del>	2818	
U.S. PATENT DOCUMEN	78	T	1,00	: · · ·	<del></del>	T
*Examiner Pate Injuig Num		Patentee		Class	Subclass	Filing Date (if appropriate)
4,696,525	09/29/1987	Coller, et al		439/69		12/13/1985
4,733,461	03/29/1988	Nakano		29/830		12/24/1985
4,821,007	04/11/1989	Fields, et al		333/238		02/06/1987
4,823,234	04/18/1989	Konishi, et al		361/386		07/01/1986
4,833,568	05/23/1989	Berhold		361/383		01/29/1988
4,862,249	08/29/1989	Carlson		357/80-		04/17/1987
4,884,237	11/28/1989	Mueiler, et al .		365/63		03/17/1989
4,891,789	01/02/1990	Quattrini, et al		365/63		03/03/1988
4,911,643	03/27/1990	Perry, et al		439/67		08/03/1989
4,953,060	08/28/1990	Lauffer, et al		361/388		05/05/1989
4,956,694	09/11/1990	Eide		357/74		11/04/1988
4,983,533	01/08/1991	Go		437/7		10/28/1987
4,985,703	01/15/1991	Kaneyams		341/141		02/02/1989
5,012,323	04/30/1991	Farnworth		357/75		11/20/1989
5,016,138	05/14/1991	Woodman		361/381		09/18/1989
5,034,350	07/23/1991	Marchisi		437/207		03/14/1990
	FOREIGN PA	PENT OR PUBLISHED FOREIGN P	ATENT APPLI	CATION	\$ \(\frac{1}{2}\) \(\frac{1}{2}\)	
						Translation
Document l	lumber Date	Country		Class	Subclass	Yes No
	7.	OTHER DOCUMENTS				

EXAMINER Star & Vigation Date Considered October 02, 2005

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw time through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

		OIM	4						er.	&	f 0
Form PT (Rev. 11)		manual FEB 0 9	2064	U.S. Dept. of Com Proon and Trademark		ATTY. DOCKE	TNO.	SERL	AL NO.	et_6_0	
	DIEV	MATICE DISCIC	CUS CTAT	EMENT BY APPLICANT		0254-094-CIP-5		10/62	4,097		
•	MIQI	TABE	cral sheets if no		-	APPLICANT Cudy, et al					
					.	FILING DATE		GROU	re :		1
(37 CI						7/21/03		2818	, <u>,                                   </u>		1
U.S. P	ATEM	DOCUMENTS	Т		<del></del>	· ·	1	<del></del>			7
*Exen		Patent Number	lssue Date	Patente	æ		Class	Subclass		Dete (if	
_#		5,041,015	08/20/1991	Travis			439/492		03/30/1	990	
1	<u> </u>	5,099,393	03/24/1992	Bentlage, et al			361/413		03/25/1	991	]
		5,104,820	04/14/1992	Go, deceased, et al			437/51		06/24/1	991	
		5,138,430	08/11/1992	Gow, 3 <sup>rd</sup> , et al			357/70		06/06/1	991	]
		5,159,434	10/27/1992	Kohno, et al			357/80		02/01/1	991	]
		5,198,888	03/30/1993	Sugano, et al			257/686		12/20/1	990	
		5,222,014	06/22/1993	Lin			361/414		03/02/1	992	
		5,224,023	06/29/1993	Smith, et al.			361/412		02/10/1	992	
		5,241,454	08/31/1993	Ameen, et al			361/744		01/22/19	992	]
		5,247,423	09/21/1993	Lin, et al			361/719		05/26/1	992	
		5,259,770	11/09/1993	Bates, et al			439/66		03/19/19	992	]
		5,261,068	11/09/1993	Gaskins, et al.			395/425		05/25/19	90	_
		5,262,927	11/16/1993	Chia, et al			361/784		02/07/19	992	
		5,279,029	01/18/1994	Burns			29/856		05/11/19	93	]
		5,281,852	01/25/1994	Normington			257/685		12/10/19	91	
	1	5,289,062	02/22/1994	Wyland			307/577		03/23/19	93	]
		5,311,401	05/10/1994	Gates, Jr. et al			361/760		07/09/19	91	
13		5,313,097	05/17/1994	Haj-Ali-Ahmadi, et al TENT OR PUBLISHED FORE	PICN D	TEAT A DIM TO	27ON :: ::	257/706	<b>.</b> ,,,,	2000	11/
				ZTI GRIGBLISHED FORE	SIGN PA	TENT APPLIC	ATION 1.2	<u> </u>	_		1_
		Document Number	Date	Country	7	>><	-Class	Subclass	——Trans Yes	No	1
÷		· · · · · ·		OTHER DOCUME	ENTS						1
			· (INCLUID	UNG AUTHOR, TITLE, DATE, P.	PERTINE	NT PAGES, ETC.	<i>)</i>		<u> </u>	·	†
EXAMD	NER	Illa B.	Jarila	1 D	ATE CO	INSIDERED	Octor	502	200	5	]
*EXAM	INERU	mittal if citation conside tude copy of this form w	ared, whether or mainth next commun	ool citation is in conformance with tication to applicant.	ь мрер	§ 609; draw line (		/ •	formance s	nd not	

	T
Form PTO-1449 (Mo65m) (Rev. 11/92)	12

FEB 8 9 2004

U.S. Dept. of Commerce Patent and Tendersark Office

INFORMATION DE LOS LOS LES ETATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
0254-094-CIP-5	10/624,097
APPLICANT	
Cody, et al	
FILING DATE	GROUP
7/21/03	2818

(37 CFR 1.98(b))

Examiner Injiial	Patent Number	Issue Date	Patentee	Class	Subclass		Date (if priate)
BV	5,343,075	08/30/1994	Nishino	257/686		06/22/19	92
	5,347,428	09/13/1994	Carson, et al	361/760		12/03/19	92
	5,375,041	12/20/1994	McMahon	361/749		12/02/19	92
	5,377,077	12/27/1994	Burns	361/704		12/17/19	93
	5,394,010	02/28/1995	Tazawa, et al	257/686		03/12/19	92
	5,402,006	03/28/1995	O'Donley	257/796		11/10/19	92
1_	5,420,751	05/30/1995	Burns	361/707		10/08/19	93
	5,446,620	08/29/1995	Burns, et al	361/704		10/08/19	93
<del> </del>	5,455,740	10/03/1995	Burns	361 <i>/7</i> 35		03/07/19	94
	5,475,920	12/19/1995	Burns, et al	29/856		03/04/19	94
	5,479,318	12/26/1995	Burns	361/735		05/12/19	95
-	5,484,959	01/16/1996	Burns	174/524		12/11/19	92
	5,493,476	02/20/1996	Burns	361/735 ·		05/22/19	95
	5,499,160	03/12/1996	Burns	361/704		01/30/19	95
	5,514,907	05/07/1996	Moshayedi	257/723		03/21/19	95
V	5,523,619	06/04/1996	McAllister, et al	257/686		11/03/19	93
RV	5,541,812	07/30/1996	Burns	361/735		09/11/19	95
3.	· K	FOREIGN PA	TENT OR PUBLISHED FOREIGN PATENT APPL	CATION			
				<b></b>	63.1	Trans	ation
	Document Number	Date	Country	Class	Subclass	Yes	No
			OTHER DOCUMENTS		16 1. 47 1 1		
		(INCLUI	DINGAUTHOR, TITLE DATE, PERTINENT PAGES, B	říc)		. :	

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

Paper No. 0304

2005

EXAMINER

		6				Sheet 8 of
Form \$770-1449 (Rev. 11/92)	(Modified) (FEB 0	9 2004 D	U.S. Dept. of Commerce Patent and Trademark Office	ATTY. DOCKET NO.	SERL	AL NO.
INFO	ÉMATION SCI	NELTER E ATL	EMENT BY APPLICANT	0254-094-CIP-5	10/62	4,097
4110	N. P.	24.		APPLICANT		
	(Use sev	eral sheets if no	ccessary)	Cady, et al	<del></del>	
37 CFR 1.9	98 <b>6</b> 33			FILING DATE 7/21/03	GROU	<u>г</u> :
	T DOCUMENTS		<del></del>		2818	•
		T			<del></del>	<del>,                                    </del>
Examiner Initial	Patent Number	lssue Date	Patentee	Class	Subctass	Filing Date (if appropriate)
	5,543,664	08/06/1996	Burns	2 <i>5</i> 7/ <b>7</b> 87		01/20/1995
1	5,572,065 .	11/05/1996	Burns	257/666		10/24/1994
	5,592,364	01/07/1997	Roane	361/735		01/24/1995
	5,612,570	03/18/1997	Eide, et al	257/686	·	04/13/1995
	5,631,193	05/20/1997	Bums	29/827		06/30/1995
	5,644,161	07/01/1997	Burns	257/668		06/07/1995
	5,654,877	08/05/1997	Burns	361/713		08/18/1995
	5,776,797	07/07/1998	Nicewarner, Jr., et al	438/107		07/02/1997
	5,801,437	09/01/1998	Burns	257/685		08/11/1995
	5,805,422	09/08/1998	Otake, et al	361/749		O8/15/1997
	5,835,988	11/10/1998	İshii	257/684		10/24/1996
<del>\</del>	5,869,353	02/09/1999	Levy, et al	438/109		11/17/1997
<b>X</b>	5,926,369	07/20/1999	Ingraham, et al	361/6 <del>99</del>		01/22/1998
91/	5,949,657	09/07/1999	Karabatsos	361/803		08/25/1998
18.2 de . 1		FOREIGN PA	TENT OR PUBLISHED FOREIGN P	ATENT APPLICATION	1989年	整体数位数
						Translation
	Document Number	Date	Country	Class	Subclass	Yes No
		(INCLUD	OTHER DOCUMENTS UNG AUTHOR, TITLE, DATE, PERTIN	ENT PAGES, ETC.)		
AMINER	11.0	1/2 1	/ T.	n +1	(0)	
ANUTER	mu 13:	Vigate	DATE O	ONSIDERED OTHER		2005

•	0	1261					Sheet	9_of_	
Form PTO-1449 (Modified) (2cv. 1L92) : PER 0 9 200K per Petron and Trademark				ATTY. DOCKET NO.			SERIAL NO.		
INFORMATION DE CLOSURE SENTEMENT BY APPLICAN				0254-094-CIP	10/624	10/624,097			
(Use several sheets if necessary)				APPLICANT Cady, et al					
				FILING DATE		GROU	GROUP		
(37 CFR 1.98(b))				7/21/03	2818				
S. PATÈNT	DOCUMENTS	<u> </u>		••	. <u>.</u>	: . <u>.</u>	., .	, , e	
Examiner Injtial	Patent Number	lssue Date	Patentee		Class	Subclass	ubclass Filing Date (if appropriate)		
M	5,953,215	09/14/1999	Karabatsos	361767			06/26/199		
	6,014,316	01/11/2000	Eide	Eide			06/10/1998		
	6,028,352	02/22/2000	Eide				06/10/1998		
	6,172,874BI	01/09/2001	Bartilson		257/686 361/719		04/06/1998		
	6,205,654B1	03/27/2001	Bums	ins			12/28/1998		
	6,266,252BI	07/24/2001	Karabatsos				09/13/1999		
	6,233,650B1	05/15/2001	Johnson et al.  Kim et al.  Forthun  Oppermann et al.		361/788 711/5		04/01/1998		
	6,225,688B1	05/01/2001			257/686		02/04/1999		
	6,262,895B1	07/17/2001			361/749		01/13/2000		
	6,281,577B1	08/28/2001			257/724	04/22/1997			
	6,392,162B1	05/21/2002	Karabatsos		174/261 11/1			1/10/2000	
1	6,446,15881	09/03/2002	Karabatsos		711/5		05/17/2000		
	6,473,308B2	10/29/2002	Forthun		361/749		04/19/2001		
1/-	US2002/0006032A1	01/17/2002	Karabetsos	361/760		01/11/2001			
37/	US2002/0101261A1	08/01/2002	Karabatsos		326/83		01/29/2002		
			TENT OR PUBLISHED FÖREIGN	PÀTENT APPL					
							Translation		
1	Document Number	Date	Country	Class	Subclass	78	No		
	,		OTHER DOCUMENTS			411			
· · · · · ·		. (INCLUTE	HING AUTHOR, TITLE, DATE, PERT				· · ·	-	
	+								
CAMINER	John B.	Visiola	DATE	CONSIDERED	October	, 02,	2001		
XAMINER:	lectial if citation consider		not citation is in conformance with MP	EP § 609; draw lir	ne through citation	on if not in con	formance and	not	